

18

REFERENCES

SUBJECT:

DATA BY:

DATE:

PROJECT NO.:

SUPERVISED BY:

LCM Compounding: Sample 1163-78-1 BK

Compounded approximately 20,000 lb.

Granular Feedstock: { DBX 4606 H
Part 1 Bin 853
2/15/07

One gaybird compounded culture on ZSK-40 1163-18-1

[illegible]

coordset	shape	size	sampleID	hls_L	hls_U	DL_L	hls_M	hls_H	DL_H	qbits	spread	hls	hls	hls	hls+1	DL
116:18-357	640x617 P4	375683.17	640177	6,366	24,357	3.9	116,494	549,914	4.7	32.5	22.5	13,341	312,280	1,850,296	4,260,275	23.4
116:18-465	640x617 P4	3753019.26	665664	4,345	25,466	3.8	125,833	564,400	4.5	31.6	22.3	15,319	303,814	1,574,913	3,962,115	19.4

S-4 Rapid Crack Propagation Testing

250 MM Pipe S.H. Test - [REDACTED] Report No. 8262

Peabody

critical pressure tested at 0°C

Final Score on the Test

25 1 103

Paint 07-2679 Final Report

Critical temperature T_c tested at pressure of 5 bars

Notched and Slow Crack Growth

Per ISO 1347A 80°C/9.2/bars
Tann Labs Report 07-3701
mean failure time: 3672 hrs

Table 2: Summary of Displaced Place Year Mergers

Specimen ID	Class Sample ID	Test Time (Hours)	Average Test Time (Hours)	Notes	Std 15478.1527(3) Requirements (Minimum Failure Time 163 hr)
07-1085-01		4.003		58 Failure	Pass
07-1085-02	1a-1	3.687	3.672 ± 3.5%	58 Failure	Pass
				58 Failure	Pass

17-1883-33 3,250

WITNESSED AND UNDERSTOOD BY

NOTES

notebook	descrip	Date	sampleID	Catalyst	Cat_ratio	Reactor	comon	T rx	H2	C6	compounder	density	I21	I5
1163-18-1					3		c6	105	0.0021	0.004	ZSK-40	0.9494	5.26	0.1333
1163-18-356A			603356		3		c6	105	0.0021	0.004	Brabender	0.9497	5.18	0.133
1163-18-387A			603387		3		c6	105	0.0021	0.004	Brabender	0.9496	5.63	0.144
1163-18-433A			603433		3		c6	105	0.0021	0.004	Brabender	0.9504	6.31	0.159
1163-18-447A			603447		3		c6	105	0.0021	0.004	Brabender	0.9500	5.94	0.147
notebook	I2	MFR2	MFR5	Al_icp	Zr_icp	Si_icp	bbf_amr	TnslYld_psi	Tens_Brk psi	Tens_MPa	brk Mpa	Elong_pct	FAR	Tm DSC
1163-18-1	0.028585	184	39.5	26.4	1.08	35.0	0.88	3384	4679	23.3	32.3	646	+30	133.1
1163-18-356A	0.028	185	38.9				1.16	3330	4097	23.0	28.2	587		
1163-18-387A	0.030	188	39.1					3437	4248	23.7	29.3	625		133.1
1163-18-433A	0.032	195	39.7				1.70	3441	3973	23.7	27.4	609		
1163-18-447A	0.030	197	40.5					3418	3780	23.6	26.1	580		
notebook	descrip	Date	sampleID	Mn_L	Mw_L	DI_L	Mn_H	Mw_H	DI_H					
1163-18-377			603377	6,204	24,357	3.9	116,494	549,914	4.7					
1163-18-408			603408	8,385	25,466	3.0	125,552	564,430	4.5					
notebook	split	spread	Mn	Mw	Mz	Mz+1	DI							
1163-18-377	52.5	22.6	13,341	312,290	1,850,896	4,260,273	23.4							
1163-18-408	51.0	22.2	15,319	303,816	1,574,918	2,965,115	19.8							